

CLAIMS

What is claimed is:

- 5 1. A method for manufacturing a liquid crystal panel, comprising:
providing a first glass substrate for forming a thin film transistor thereon;
forming a black matrix on a first surface of said first glass
10 substrate, wherein said black matrix includes a plurality of openings;
forming a sealant on the peripheral region of a first surface of a second glass substrate;
dropping an amount of liquid crystal on said first surface of said second glass substrate surrounded by said sealant;
15 assembling said first glass substrate and said second glass substrate by said sealant, wherein said first surface of said first glass substrate faces said first surface of said second glass substrate; and
curing said sealant by a light irradiation from a side of said second glass substrate.
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2. The method of claim 1, further comprising forming a plurality of color filters on said first surface of said second glass substrate, wherein said color filters face said openings of said black matrix respectively.
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3. The method of claim 1, further comprising forming a plurality of color filters on said first surface of said first glass substrate, wherein said color filters are formed in said openings of said black matrix respectively.
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4. The method of claim 1, wherein said light irradiation is ultraviolet ray.

5. The method of claim 1, wherein said light irradiation is visible light.

6. The method of claim 1, wherein the material of said sealant is acrylic resin.

7. The method of claim 1, wherein the material of said sealant is the synthetic material of acrylic resin and epoxy resin.

8. The method of claim 1, wherein the direction of said light irradiation is perpendicular to said first surface of said second glass substrate.

9. The method of claim 1, wherein the material of said black matrix is selected from the group consisting of chromium, chromium oxide and an opaque resin.

10. The method of claim 1, further comprising forming another sealant on the peripheral region of said first surface of said first glass substrate, wherein said sealant and said another sealant face each other.

11. A method for manufacturing a liquid crystal panel, comprising:

providing a first glass substrate ;

forming a sealant, a black matrix and a plurality of color filters on a first surface of a second glass substrate, wherein said sealant is formed on the peripheral region of said second glass substrate without covering by said black matrix, said color filters are formed in a plurality of openings of said black matrix;

dropping an amount of liquid crystal on said first surface of

said second glass substrate surrounded by said sealant;

assembling said first glass substrate and said second glass substrate, wherein said first surface of said first glass substrate faces said first surface of said second glass substrate; and

5 curing said sealant by a visible light.

12. The method of claim 11, wherein the material of said sealant is acrylic resin.

10 13. The method of claim 11, wherein the material of said sealant is the synthetic material of acrylic resin and epoxy resin.

14. The method of claim 11, wherein said light is irradiated said sealant from a side of one of said glass substrates.

15 15. The method of claim 11, wherein the material of said black matrix is selected from the group consisting of chromium, chromium oxide and an opaque resin.

20 16. A liquid crystal panel, comprising:

a first glass substrate wherein a thin film transistor thereon;

a second glass substrate assembling with said first glass substrate by a sealant;

25 a liquid crystal layer disposed between said first glass substrate and said second glass substrate and surrounded by said sealant; and

30 a black matrix including a plurality of openings formed on a first surface of said first glass substrate, wherein said sealant is disposed on the peripheral region of a first surface of said second glass substrate.

17. The liquid crystal panel of claim 16, further comprising a

plurality of color filters formed on said first surface of said second glass substrate, wherein said color filters face said openings of said black matrix respectively.

5 18. The liquid crystal panel of claim 16, further comprising a plurality of color filters formed in said openings of said black matrix on said first surface of said first glass substrate.

10 19. The liquid crystal panel of claim 16, wherein said sealant is cured by a light irradiation.